

CLAIMS

What is claimed is:

1. A collaboration commerce trading method completing configure-to-order (CTO) production by ordering a commodity through a network and providing transmissions and
5 responses of the ordering information, the method comprising the steps of:

a customer ordering a commodity through a web page;

transmitting the commodity ordering information to a collaboration server;

transmitting the commodity ordering information through the collaboration server to a plurality of enterprise resource planning (ERP) servers;

- 10 executing the integrated operation of the plurality of ERP servers to generate a customized table list; and

returning the customized table list for the customer to confirm.

2. The method of claim 1, wherein the design of the web page includes a mechanism for checking the credit history of the customer and an electronic ordering system (EOS).

- 15 3. The method of claim 2, wherein the EOS provides a commodity catalog, commodity descriptions and commodity prices.

4. The method of claim 1, wherein the collaboration server hyperlinks to the host supplier server of the commodity.

- 20 5. The method of claim 1, wherein the plurality of ERP server connect via an ERP back bone to:

a shop floor control system (SFCS) server;

an available to promise (ATP) server; and

a strategy support server.

6. The method of claim 1, wherein the ERP server further comprises:

a bill of material (BOM) module, which configures the basic initial data to open product types and the BOM for manufacturing products;

a sales order (SO) module, which opens basic initial data, lists a customer-end price list, and has the function of automatically generating an SO;

a work order (WO) module, which automatically opens a WO, obtains material configuration information from the ATP server, and generates an E-mail to the customer, checking the preparation status of materials; and

a product order (PO) module, which maintains the HDI standards.

7. The method of claim 5 further comprising an SFCS back bone connecting to the data warehouse (WS) and server of the SFCS.

8. The method of claim 5, wherein the SFCS server provides searches of the WOs.

9. The method of claim 5, wherein the ATP server is used to retrieve supply/demand status information from the ERP servers.

10. The method of claim 5, wherein the strategy support server provides the strategies and controls for the collaboration commerce (CC).

11. The method of claim 5, wherein the data format in the strategy support server can be stored and queued in the principle of first in first out (FIFO).

12. The method of claim 1 further comprising an HDI back bone connecting the supply chain of the host server, the supply chains of up-, mid-, downstream suppliers, and a hub.

13. The method of claim 12, wherein the supply chain data are stored in each end machine.

14. A method completing configure-to-order (CTO) production by ordering a commodity through a network and providing available to promise (ATP) transmissions and
5 responses of the ordering information, the method comprising the steps of:

obtaining a customer's demand information from a server-end web ordering server;

obtaining supply information of a product from an enterprise resource planning (ERP) server;

10 transmitting the supply/demand information to an available to promise (ATP) server;

providing a confirmed sales order (SO) to the customer when the ATP server completes the supply/demand configuration; and

15 estimating an ATP date to the customer when the ATP server cannot complete the supply/demand configuration.

15. The method of claim 14, wherein the customer's request information includes customer order confirmation information comprising a PO of the customer, a product and quantity ordered, a price and a currency exchange rate, a shipping method/charge, and an ordering date/shipping days/normal arrival date.

20 16. The method of claim 14, wherein the product supply information comprises a customer-end price list, main items in an BOM module, configuration items, conflictions, and a currency exchange rate.

17. The method of claim 14, wherein the order confirmation information further comprises configured result information.